

Date: Mon, 17 Oct 94 22:42:57 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: List
Subject: Info-Hams Digest V94 #1131
To: Info-Hams

Info-Hams Digest Mon, 17 Oct 94 Volume 94 : Issue 1131

Today's Topics:

5/6 tones code for pagers?
ANARTS RTTY News Bulletin 831 16th October 1994
Callsign/address databases-privacy issue
Commercial License wait 13w 3d
Email callsign servers (2 msgs)
HAM-Software on FTP-Hosts?
Hammarlund 600
IPS Daily Report - 17 October 94
JOTA '94 and Intentional Interference
laser replies
looking EXTRA CLASS questions to download??
S.O.S. (2 msgs)
What is "Trunk LAN Mobile Radio"???
WTB: Radar gun... (2 msgs)
Yaesu FT-990 users group?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 17 Oct 1994 12:14:33 GMT
From: vaillan@ireq.hydro.qc.ca (Clement Vaillancourt)
Subject: 5/6 tones code for pagers?

Where can I find the specifications for the 5/6 tones code used to
activate pagers....?

Thank you very much, 73 de Clement, VE2HQJ

Clement Vaillancourt, Institut de Recherche d'Hydro-Quebec
Analyste, Varennes, P. Quebec, Canada, J3X 1S1
Informatique scientifique Tel:+1 514 652 8238 Fax:+1 514 652 8309
Int: vaillan@ireq.hydro.qc.ca Radio-Amateur: VE2HQJ@VE2CRL.#MTL.PQ.CAN.NA

Date: 17 Oct 1994 22:15:35 +1000
From: dave@eram.esi.com.au (Dave Horsfall)
Subject: ANARTS RTTY News Bulletin 831 16th October 1994

[ANARTS - Australian National Amateur Radio Teletype Society]

ANARTS News Bulletin 831 16th October 1994

Well, this weekend is JOTA. I hope you have offered a few minutes of your time to help get young people interested in Amateur Radio. These youngsters are our replacements, and our growth factor ... How many amateurs do we need to keep our frequencies, to stop the commercial grab?

Remember, amateurs have been responsible for many advances used for commercial radio application, and also that these innovators need to have frequencies to experiment. If you have friends who have been inactive for a period, why not talk them into dusting off their gear and getting back up on air. Usage is automatically recorded by the department off air, and every few minutes being active on air helps maintain our frequencies.

Keep our frequencies -- use your radios.

RTTY Digital Journal name and frequency change

The new name for this magazine is now the Digital Journal and it has gone from ten issues a year to twelve per year.

If you are thinking of subscribing, there was word of a hike in fees in 1995, so do it now. Cost per year is 35 dollars (US), in US funds. Address is PO Box 2550 Goldenrod, FL 32733-2550 USA.

This is - the - journal for digital radio and is well worth a subscription. It has all the rules for contests, articles on the newest modes, and comparisons with established ones, dx

news, and lots more (no -- I do not get a free subscription,
hi hi -- I just think its worth it.).

IPS WEEKLY REPORT

07 OCTOBER - 13 OCTOBER

ISSUE No 41

DATE OF ISSUE: 14 OCTOBER 1994

INDICES:

DATE	07	08	09	10	11	12	13
10CM	84	86	87	87	88	88	93
A	28	15	11	14	21	12	(10 ESTIMATED)
T	-30	01	22	16	-14	-20	06

SOLAR ACTIVITY WAS LOW 7TH AND 9TH OCTOBER AND VERY LOW FOR
THE REMAINDER OF THE PERIOD.

THE GEOMAGNETIC FIELD AT LEARMONTH (WA) WAS UNSETTLED TO
ACTIVE, WITH A SHORT MINOR STORM PERIOD, ON 7TH, AND QUIET TO
UNSETTLED GENERALLY AFTER THAT. THERE WERE BRIEF ACTIVE
PERIODS ON 10TH-12TH DURING LOCAL NIGHT.

IONOSPHERIC F2 CRITICAL FREQUENCIES WERE MOSTLY DEPRESSED BY
UP TO 30 PER CENT, EXCEPT FOR 9TH OCTOBER WHEN FREQUENCIES
WERE NEAR PREDICTED MONTHLY VALUES. STRONG SPREAD F WAS
OBSERVED DURING LOCAL NIGHT 12TH-13TH OCTOBER.

FORECAST (14 OCTOBER - 20 OCTOBER)

SOLAR: LOW

GEOMAGNETIC: QUIET TO UNSETTLED, WITH POSSIBLE ACTIVE PERIODS
ON 14 OCTOBER.

IONOSPHERIC: NEAR PREDICTED MONTHLY VALUES.

COURTESY OF IPS RADIO AND SPACE SERVICES

VK2SG RTTY DX NOTES 7 OCT 94

VK2SG RTTY DXNOTES FOR WEEKENDING 7 OCT 1994 (BID RTDX1007)

Make note of the Japan Amateur Radio Teleprinter Society (JARTS) WW RTTY Contest, 15-16 October. Details of this 48 hour contest are on page 22 of the October 1994 issue of the Digital Journal, and on page 126 of September QST.

Our thanks this week go to DJ3IW and the Central Europe DX Cluster DB0SPC, DL7AFV, I5FLN, KA5CQJ, NA2M, N6GG, W5KSI, W5GAI, W6/G0AZT, W7DCR, WB2CJL, 9K2EC, and the NJ0M Node of the Minnesota DX Packet Cluster Network.

Friday 30

1700-14085 SV2ASP/A Simplex, weak in USA. See Note.

2144-14091 5H3JA New to mode

2203-14086 EA8BHS

2205-14083 OS6AA

2222-14085 GI0KOW

2236-14084 PY2XB

2240-14086 PY2FR

Saturday 1

0155-14076 RA1AMW/MM Amtor FEC

0204-14073 ZL1BSG Pactor

1417-14088 VQ9TN QSL K5TNP

1540-21087 A71CW

2003-14086 5T5MS

2004-14088 J28JJ

2056-14083 C02KG

Sunday 2

0041-14087 VR6BX

0109-10128 W6HDO/MM2 Amtor ARQ

1411-14083 RU3AT

1450-14084 RZ3AZO

1559-14088 VQ9TN

1725-14086 4X6UO

1726-14085 ZA1MH

1734-14088 UT5PF

1744-14089 5R8DS

1821-21087 VR6BX

1908-14087 9A2DQ

1914-14082 5H3JA

1937-14083 Z21H

2040-14084 FG5FI

2230-14085 HC5JI

2231-14085 HI8ERQ
2311-14085 V31AR

Monday 3

0100-14088 F05EM QSL P.O.BOX 6345, FAAA, TAHITI, FR. POLYNESIA
0158-14085 CE3GN
0159-14083 ZP6CC
2135-14083 LU4AV
2136-14083 LU1CIB

Tuesday 4

0024-14082 F05EM
1408-14087 VQ9TN
1636-14089 5T5MS

Wednesday 5

0104-14070 PP2ZDX Pactor
1227-14082 C02KG
1231-14085 V31MP
1659-14085 55T5MS
2338-14085 V31MP

Thursday 6

1300-14086 UT5DX
1425-14087 VQ9TN

Notes of Interest:

If you have the good fortune to work SV2ASP/A, please suggest to him that he work split.

Eddie, W6/G0AZT and Glenn, W60TC, will operate from 8R, Guyana, 13-21 October. Look for them as 8R1TT in the JARTS WW RTTY contest 15-16 October. QSL to P.O. Box 5194, Richmond, CA 94805.

We mourn the loss of Bob Poucel, W2AYJ, 85, who became a Silent Key on 15 September. Rest in Peace, old friend.

As Bob, WB2CJL is still QRT with rig problems, for next week's bulletin, send your bandpass and notes of interest to Luciano, I5FLN at ZS5S.ZAF.AF.

73 es Good Hunting de Jules W2JGR at W2TKU.#SRQFL.FL.USA.NA
or at W5KSI.#NOLA.LA.USA.NA

ARRLDX061 DX news

Thanks to Tedd, KB8NW, the Ohio/Penn DX Bulletin, Frank, AH0W/OH2LVG, the Yankee Clipper Contest Club PacketCluster network, Chod, VP2ML, The DX Bulletin, Bob, W5KNE, QRZ DX, G0MMI, Adam, N7VEW, and the Contest Corral column from QST magazine.

RWANDA. It has been reported that Hartmut, 9X5HG, has returned to Rwanda and is active once again. Several southeastern USA stations worked him on October 1 around 0330z on 7028 kHz

ETHIOPIA. ET3BT has been on the 14226 DX Net almost daily. Try between 1800 and 2230z.

BURUNDI. 4U/F5NWB/9U has been spotted on 14240 kHz around 2100Z. QSL via UNSCF Radio Tech, PO Box 200, Bujumbura, Burundi.

PACIFIC DXPEDITION DELAYED AGAIN. Masa, JE1DXC, aka A35XC, continues to have problems with flight reservations. This has caused delays in his 3D2, T30 and T2 DXpedition.

MOUNT ATHOS. Tokyo PacketCluster spots show Monk Apollo, SV2ASP/A has been active on RTTY. Listen for him around 14083 kHz between 0700 and 0730z.

MADEIRA. DL8KWS/CT3 and DL3KUD/CT3 will be active on all bands October 6 through 27.

ANGUILLA AND SINT MAARTEN. Warren, WB1HBB, will be vacationing with some operating from Anguilla as VP2E/WB1HBB October 18, 19 and 20. Sint Maarten is slated for October 21 through 28 using the call PJ7/WB1HBB. Try 14.263 kHz at 1230z and 2100z. QSL via WB1HBB.

REVILLA GIGEDO. This is to correct some information released on the planned DXpedition to XF4M by Frank, AH0W/OH2LVG and company. Their 30 meter operation will not, repeat not be the first such operations from Revilla Gigedo.

QSL TIPS. G0MMI reports that he is the manager for LX1DM. QSL contacts from 1990 to 1993 to his Callbook address. Also, he is no longer the manager for YI1RJ, Qaid, who is now in Jordan. Adam, N7VEW, is now the QSL manager for Randy, TJ1JR. Please QSL to Adam's current Callbook address with SASE.

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD, or the Secretary (Pat) VK2JPA at VK2RWI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or by packet to VK2JPA at VK2RWI. Email addresses for the Broadcast Officer are :

patl(at)pitt.commusic.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We are looking forward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer

That concludes the broadcast for this morning/evening.

--

Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

Date: Mon, 17 Oct 94 08:01:40 PDT
From: tmill493@bssbbs.com (Tuck Miller)
Subject: Callsign/address databases-privacy issue

>
> If you were really concerned, then you would have already set up
> a P.O. Box, and perform other minor changes in your life. Ask
> your friend who's a cop about it.
>
> >>I hear a lot of folks on the local repeaters telling folks they
> >>are going on vacation.
>
> REALLY stupid!
>
> ---
> * QMPro 1.53 * Thesaurus: ancient reptile with an excellent vocabulary.

I for one got a PO box. My friends know where I live, and so the casual scanner user does not. I can give out certain info, and not really worry about it. Speaking of privacy, do you have code words set up with your cable company or other utilities? Why, you might ask. What do you have to

do to order a pay per view movie. Call up and order it? How do they know it is actually you. Make sure you have them ask a code word before making any type of changes to your system. How would you like it if someone would call up the cable company, give your phone number etc, and say order a \$50 pay per view event....Just a thought.....

Date: Mon, 17 Oct 1994 22:54:22 GMT
From: drt@world.std.com (David R Tucker)
Subject: Commercial License wait 13w 3d

For those who are interested, I just received 2 Commercial licenses today, 10/17, 13 weeks and 4 days after the FCC received the applications and longer than that since I took the exams.

(So much for the "more money means better service" theory.)

-drt

David R. Tucker KG2S 8P9CL drt@world.std.com

Date: Mon, 17 Oct 1994 14:01:57 -0400
From: wa4zos@wa4zos.lib.muohio.edu (Bob Junke)
Subject: Email callsign servers

In article <37m3c9\$7pa@theopolis.orl.mmc.com>, jcarter@orl.mmc.com wrote:

> In article Cw6@crdnns.crd.ge.com, gaus@islandgirl.crd.ge.com (Rick Gaus) writes:

> /

> / Can anyone please send me information on the addresses of

> /any email callsign servers? I had one old address that does not seem

> /to work now. I need to access a callsign server by email.

> /

> Try this:

>

> "telnet://help@callsign.cs.buffalo.edu:2000/"

^

|

+----- This doesn't work for me.

But this does --> "telnet://callsign.cs.buffalo.edu:2000/

--

Tnx & 73,
Bob

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+-----+
| Bob Junke,                                     |
| Miami University                             |
| Oxford, Ohio 45056                           |
| (513)529-2351                               Ham Call: WA4ZOS |
|                                           E-mail: wa4zos@wa4zos.lib.muohio.edu |
|                                           E-mail: junkere@muohio.edu |
/ )      HAM PBBS: WA4ZOS @ N8JSF.#CIN.OH.USA.NOAM ( \
/ )      http://miamilink.lib.muohio.edu/bobj.html ( \
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Date: Mon, 17 Oct 1994 13:59:33 -0400
From: wa4zos@wa4zos.lib.muohio.edu (Bob Junke)
Subject: Email callsign servers

In article <37m3c9\$7pa@theopolis.orl.mmc.com>, jcarter@orl.mmc.com wrote:

> In article Cw6@crdnns.crd.ge.com, gaus@islandgirl.crd.ge.com (Rick Gaus)
writes:

> /

> / Can anyone please send me information on the addresses of

> /any email callsign servers? I had one old address that does not seem

> /to work now. I need to access a callsign server by email.

> /

> Try this:

>

> "telnet://help@callsign.cs.buffalo.edu:2000/"

>

> 73's

> Jim

>

> o o ooo o o ooo oo o o | James A. Carter | Jcarter@orl.mmc.com

> o o o o o o o o o o oo o | MARTIN MARIETTIA | FCC Lic. KD4PON

> o o o o o o o o o o o o | Electronics & | These views are my
own and

> o o o o ooooo ooo o o o oo | Missiles Division | not that of my employer.

> o o o o o o o o o o oo | Orlando, Florida |

> o o ooo o o oo o o | 32855 | Thanks Jim

--

Tnx & 73,
Bob

```

+-----+
| Bob Junke,                                     |
| Miami University                             |
| Oxford, Ohio 45056                           |
| (513)529-2351                               |
|                                         Ham Call: WA4ZOS |
|                                         E-mail: wa4zos@wa4zos.lib.muohio.edu |
|                                         E-mail: junkere@muohio.edu |
/ )      HAM PBBS: WA4ZOS @ N8JSF.#CIN.OH.USA.NOAM ( \
/ )      http://miamilink.lib.muohio.edu/bobj.html ( \
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Date: Mon, 17 Oct 1994 14:23:43 GMT
From: ujmp1@pool.info.sunyit.edu (Joseph M. Prusik)
Subject: HAM-Software on FTP-Hosts?

Karlheinz Barth (barth@ba-mosbach.de) wrote:
: Hallo!

: Are there any FTP-Hosts where I can find HAM-Software?

: Thanks in advance
: Karlheinz

: barth@ba-mosbach.de

ftp.cdrom.com:/incoming/simtel/msdos/hamradio
--

Date: 17 Oct 94 17:48:05 GMT
From: SHMC0874@BCITVM.BCIT.BC.CA (Colin Schmutter)
Subject: Hammarlund 600

From: Colin Schmutter

I am looking at adding a product detector to a Hammarlund 600 receiver.

Can anyone point me to references from the past (old QST issues or Ham Radio etc) they may have articles.

If anyone has done such a mod I would be interested in what is involved.

Please reply by Email to CSCHMUTTER@BCIT.BC.CA

Thanks

COLIN SCHMUTTER <SHMC0874@BCIT.BC.CA>
COMPUTER RESOURCES, B.C.I.T. (604) 432-8858

Date: Mon, 17 Oct 1994 23:09:50 GMT
From: rwc@flare.syd.ips.oz.au (Regional Warning Centre)
Subject: IPS Daily Report - 17 October 94

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 17/2330Z OCTOBER 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 17 OCTOBER AND FORECAST FOR 18 OCTOBER - 20 OCTOBER

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 92/37

GOES satellite data for 16 Oct

Daily Proton Fluence >1 MeV: 8.3E+05
Daily Proton Fluence >10 MeV: 9.8E+03
Daily Electron Fluence >2 MeV: 1.8E+07 (normal)
X-ray background: B1.3

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	18 Oct	19 Oct	20 Oct
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 18 Oct: 92/37

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet

Estimated Indices : A	K	Observed A Index 16 Oct
Learmonth	6 2222 2122	
Fredericksburg	4	5
Planetary	5	6

Observed Kp for 16 Oct: 3122 2211

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
18 Oct	8	Quiet
19 Oct	8	Quiet
20 Oct	8	Quiet

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
17 Oct	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
18 Oct	normal	normal	normal
19 Oct	normal	normal	normal
20 Oct	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
17 Oct	26	near predicted monthly values

Predicted Monthly T-index for October: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
18 Oct	25	Near predicted monthly values
19 Oct	20	Near predicted monthly values
20 Oct	20	Near predicted monthly values

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster	tel: +61 2 4148329 PO Box 5606
Recorded Message	tel: +61 2 4148330 West Chatswood NSW 2057
email: rwc@ips.oz.au	fax: +61 2 4148331 AUSTRALIA

Date: Mon, 17 Oct 1994 13:59:41 GMT
From: zgc@msg.ti.com (Neil Gould)
Subject: JOTA '94 and Intentional Interference

Jamboree-on-the-air is a great event to promote amateur radio to Boy and Girl Scouts all over the world. I am sure the 99.9% of all Hams fully support this effort. I heard and worked several stations that opened their stations to show ham radio to the kids and leaders. I enjoy seeing the reactions of the kids as they talk to others around the country.

BUT... It was very embarrassing to have intentional interference by a very very SICK person who made unacceptable comments on the air so that my boys and their leaders could hear them. I apologized and ignored him the best I could, but it still bothered me a great deal. I know there is nothing I can do about it now, but I just wanted to express my disappointment in this one person.

If anyone knows anyway to deal with this problem, it would be appreciated. Obviously, he never identified himself.

Again, though, thanks to all those hams who did help out.

```
*****
* Neil Gould                                Texas Instruments Inc. *
* Internet:  zgc@msg.ti.com                 Plano, TX 75086          *
*                                                214-575-4793          *
* WA5ZGC                                     FAX 214-575-2524        *
* "The options expressed are my own and nobody elses."          *
*****
```

Date: 17 Oct 1994 18:25:07 GMT
From: brian@nothing.ucsd.edu (Brian Kantor)
Subject: laser replies

>> [Can you] turn all of the traffic lights green like emergency vehicles do?"

You can easily modify an automotive timing light to do it.

In California, it's now a minor crime: 'tampering with a traffic signal'.
- Brian

Date: 17 Oct 1994 18:41:46 GMT

From: szhall@chip.ucdavis.edu (Jeff Hall)
Subject: looking EXTRA CLASS questions to download??

I have the extra class question from the pool but I am looking for a program on computer that will asked the question and keep score on how you are doing right or wrong..Is there a program like this that I can down load from a FTP Site?..Hope someone can help...Jeff

Date: Mon, 17 Oct 1994 12:35:58 GMT
From: jwa@tellabs.com (John Albert)
Subject: S.O.S.

Has any seen the TV commercial for S.O.S. steel wool pads?
Dirty pots ans pans clank out, in morse code, S.O.S.. When
I first heard it I was in the kitchen. I had to run to TV
room! I thought that was the silliest commercial I've seen!

Jack Albert WA9FVP (Fellow Radio Hacker)

Date: Mon, 17 Oct 1994 19:10:26 GMT
From: rkm@vectorbd.com
Subject: S.O.S.

John Albert (jwa@tellabs.com) wrote:
: Has any seen the TV commercial for S.O.S. steel wool pads?
: Dirty pots ans pans clank out, in morse code, S.O.S.. When
: I first heard it I was in the kitchen. I had to run to TV
: room! I thought that was the silliest commercial I've seen!

... but do they send it as a prosign, as it should be, or as three
individual letters?

: -)

- Rich

Date: 17 Oct 94 14:21:00 CDT
From: HElliott@losat.redstone.army.mil

Subject: What is "Trunk LAN Mobile Radio"???

Hello;

Does anybody out there know what "Trunk LAN Mobile Radio" is? I had this term thrown at me in a meeting and had no idea what the other person was talking about. Any help would be appreciated.

Thanks,
Doc Elliott
LOSAT Computer Engineer
INTERNET: hellioth@losat.redstone.army.mil
KE4KUZ

Date: 17 Oct 94 12:58:58 GMT
From: William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.rockwell.COM
Subject: WTB: Radar gun...

billn@hpcvaac.cv.hp.com (bill nelson) wrote:

^^^^^^^^

>Light is NOT rf.....

First they start making calculators with equals keys and now this..sigh.

Next, they'll probably come out with a printer that makes Don Lancaster happy.

That light is a radio frequency is going to be important as an underpinning in defending the privilege to have an amateur radio station against those who think everything man does is "against nature".

We're bathed in RF. Born, live and die in it. Perfectly natural stuff. Our contribution is small compared to what people willingly allow themselves to be exposed to.

>I don't know of the FCC claims jurisdiction over lasar transmission devices,
>I doubt if they do.

I believe the radiological health folks did initially and that the FCC is involved now (look at the labels on things like your CD player or the grocery store scanner). I want to say it's Health and Human Services (was part of the old HEW) that worries about things like how much laser light you are exposed to by the POS scanners and such.

73, bill wb9ivr

Date: Mon, 17 Oct 1994 13:37:56 GMT
From: zlau@arrl.org (Zack Lau (KH6CP))
Subject: WTB: Radar gun...

bill nelson (billn@hpcvaac.cv.hp.com) wrote:
: jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: :
: : ALSO I thought the radar used in metropolitan areas were at least 25 WATT.

: No way. They are under 1 watt - with a horn antenna that amplifies the
: signal (by making it much more directive) by about 100 times. I seem to
: recall that they were around 100 mw - which would mean the effective
: radiated power would be about 10 watts - at the mouth of the horn.

This isn't right. The mouth of the horn is too close for the gain to fully develop--you are still in the near field region. Otherwise, you could run into the paradox of two horn antennas being close together, and getting more energy out of the antennas than you put in.

One of the curious things about really big dishes is that you can reduce the field strength away from the dish by making it bigger! Imagine a huge dish 1 mile across, perfectly built. You will get a tremendous amount of gain at X band, but you have to go so far away to see it that the field strength isn't really that strong. Not surprisingly, you can stand anywhere on the surface of the dish and the field will be pretty weak.

Where is the most dangerous spot on the big dish?

At the feed--but the feed is really a little antenna without much gain. Thus, you should really worry about stuff like open waveguide and tiny antennas more than big horns or dishes at microwaves.

--

Zack Lau KH6CP/1 2 way QRP WAS
 8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 17 Oct 1994 09:09 -0500
From: soderman@ewir-wr.UCSD.EDU (SODERMAN.WALTER)
Subject: Yaesu FT-990 users group?

Is there an FT-990 user group is existence somewhere? If so, how do I contact some of those folks?

Thanks,
Walt KE4QOH

Date: 17 Oct 1994 17:19:50 -0400
From: tim@umcc.umcc.umich.edu (Tim Tyler)

References<37jh0l\$8ck@eugene.convex.com> <19940ct14.041541.6006@ultb.isc.rit.edu>,
<37sqsk\$6j0@eram.esi.com.au>
Subject: Re: ARRL And Gay Hams Settle Complaint

I do!

--
Tim Tyler Internet: tim@ais.org Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA
P.O. Box 443 C\$erve:72571,1005 GEnie: T.Tyler5 AOL: Hooligan MCI: 442-5735
Ypsilanti MI
48197 I'm an equal-opportunity discriminator, and I affirm action.

End of Info-Hams Digest V94 #1131
